

## ABSTRACT

Methods and apparatuses to automatically configure network devices with respect to the routing protocol versions and types of each device on a link. The routing protocol is a dynamic, intradomain, distributed, flat, single path, distance vector routing protocol such as the Routing Information Protocol (RIP). A link including a first network device and a second network device can be configured automatically. Each network device includes a routing protocol having a version and a type. The network devices are configured such that the routing protocol versions of the first and second network devices are the same and the types of the routing protocol versions are the same. A RIP link can be configured to set both sides of a dial-on-demand link to triggered RIP version 2, or another version and type combination.